In the Claims

Please cancel Claim 2 and amend Claim 1 as follows:

1. (*Currently amended*) A method for assembling an optical device, the method comprising:
   forming a first assembly including a first lens assembly and an optical filter, the optical filter reflecting light beams at wavelengths other than a selected wavelength and transmitting a light beam at the selected wavelength, wherein the first assembly possesses a mechanical axis;
   forming a second assembly including a second lens assembly;
   positioning initially the first assembly and the second assembly coaxially with the optical filter facing the second assembly; ~~and~~
   adjusting the second assembly laterally away from the mechanical axis of the first assembly such that any light beam refracting from the first assembly is collected with a minimum loss by the second assembly, and
   encapsulating the first assembly and the second assembly in a sleeve.

2. (*Cancelled*)

3. (*Currently amended*) The method of claim ~~2~~1, wherein the sleeve is not straight because of the second assembly positioned off the mechanical axis of the first assembly.

4. (*Original*) The method of claim 3, wherein the sleeve is again encapsulated in a straight sleeve.

5. (*Original*) The method of claim 1, wherein the forming of the first assembly comprises:
   inserting the optical filter near an end of a tubing; and
   placing the first lens in the tubing afterwards but a distance away from the optical filter, where the distance is adjusted with respect to a reflection

measurement of a light beam at a wavelength other than the selected wavelength such that the reflection measurement is minimum.

6. (*Original*) The method of claim 5, wherein both of the optical filter and the first lens are respectively bonded to the tubing.

7. (*Original*) The method of claim 5, wherein the optical filter and the first lens are respectively bonded to the tubing by a type of adhesive.

8. (*Original*) The method of claim 1, wherein the forming of the second assembly comprises inserting the second lens into a tubing and bonding the second lens to the tubing by a type of adhesive.

9. (*Original*) The method of claim 1, wherein the adjusting of the second assembly with respect to the mechanical axis of the first assembly comprises:
providing the light beam at the selected wavelength through the first assembly;
measuring a transmission of the light beam from the second assembly;
adjusting the second assembly off the mechanical axis of the first assembly such that the transmission of the light beam from the second assembly becomes minimum.

10. (*Original*) The method of claim 9, wherein both of the first and second lenses are C-lenses.

11. (*Original*) The method of claim 9, wherein both of the first and second lenses are ball- lenses.

12. (*Allowed*) An optical apparatus comprising:
a first assembly including a lens and an optical filter configured at a selected wavelength and reflecting light beams at wavelengths other than the

selected wavelength and transmitting a light beam at the selected wavelength, wherein the first assembly possesses a mechanical axis;

a second assembly including a second lens; and

a sleeve to encapsulate the first and second assemblies that are so adjusted in such way that the second assembly is off the mechanical axis of the first assembly, as a result, any light beam refracting from the first assembly collected with a minimum loss by the second assembly.

13. (*Allowed*) The optical apparatus of claim 12, wherein the tubing is not straight because of the second assembly positioned off the mechanical axis of the first assembly.

14. (*Allowed*) The optical apparatus of claim 12, wherein the tubing is again encapsulated in a straight sleeve.

15. (*Allowed*) The optical apparatus of claim 12, wherein the optical filter is fixed near an end of a tubing, and the lens is also fixed in the tubing a distance away from the optical filter, where the distance is obtained with respect to a reflection measurement of a light beam at a wavelength other than the selected wavelength such that the reflection measurement is minimum.

16. (*Allowed*) The optical apparatus of claim 15, wherein both of the optical filter and the first lens are respectively bonded to the tubing.

17. (*Allowed*) The optical apparatus of claim 15, wherein the optical filter and the first lens are respectively bonded to the tubing by a type of adhesive.

18. (*Allowed*) The optical apparatus of claim 12, wherein the lens in the second assembly is fixed to a tubing by a type of adhesive.

19. (*Allowed*) The optical apparatus of claim 12, wherein the first and second assemblies are positioned in the sleeve by:

providing the light beam at the selected wavelength through the first assembly;

measuring a transmission of the light beam from the second assembly;

adjusting the second assembly off the mechanical axis of the first assembly such that the transmission of the light beam from the second assembly becomes minimum.

20. (*Allowed*) The optical apparatus of claim 19, wherein both of the first and second lenses are C-lenses.

21. (*Allowed*) The optical apparatus of claim 19, wherein both of the first and second lenses are ball-lenses.

22. (*Cancelled*)

23. (*Cancelled*)

24. (*Cancelled*)